

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/07/978,891B

DATE: 05/27/93
TIME: 16:26:24
S4547

LINE ORIGINAL TEXT

14 (iv) CORRESPONDING ADDRESS:
344 (3) INFORMATION FOR SEQ ID NO: 2:
670 (4) INFORMATION FOR SEQ ID NO: 3:
688 (5) INFORMATION FOR SEQ ID NO: 4:
705 (6) INFORMATION FOR SEQ ID NO: 5:
740 (7) INFORMATION FOR SEQ ID NO: 6:
759 (8) INFORMATION FOR SEQ ID NO: 7:
778 (9) INFORMATION FOR SEQ ID NO: 8:

CORRECTED TEXT

(iv) CORRESPONDENCE ADDRESS:
(2) INFORMATION FOR SEQ ID NO: 2:
(2) INFORMATION FOR SEQ ID NO: 3:
(2) INFORMATION FOR SEQ ID NO: 4:
(2) INFORMATION FOR SEQ ID NO: 5:
(2) INFORMATION FOR SEQ ID NO: 6:
(2) INFORMATION FOR SEQ ID NO: 7:
(2) INFORMATION FOR SEQ ID NO: 8:

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SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/07/978,891B

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S4547

MANDATORY IDENTIFIER THAT WAS NOT FOUND

PRIOR APPLICATION DATA
APPLICATION NUMBER
FILING DATE

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/07/978,891B

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DATE: 05/27/93
TIME: 16:26:24
S4547

LINE ERROR

ORIGINAL TEXT

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05/27/93

16:24:59

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Patent Application US/07/978,891B

1

SEQUENCE LISTING

2

3

4 (1) GENERAL INFORMATION:

5

6 (i) APPLICANT: Darrell Anderson, Nabil Hanna, John Leonard,
7 Roland Newman and Mitchell Reff

8

9 (ii) TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC
10 ANTIBODY TO HUMAN B LYMPHOCYTE

11

12 (iii) NUMBER OF SEQUENCES: 8

13

14 (iv) CORRESPONDING ADDRESS:

15 (A) ADDRESSEE: IDEC Pharmaceuticals Corporation

16 (B) STREET: 11099 N. Torrey Pines Road, #160

17 (C) CITY: La Jolla

18 (D) STATE: California

19 (E) COUNTRY: USA

20 (F) ZIP: 92037

21

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb

24 (B) COMPUTER: Macintosh

25 (C) OPERATING SYSTEM: MS.DOS

26 (D) SOFTWARE: Microsoft Word 5.0

27

28 (vi) CURRENT APPLICATION DATA:

29 (A) APPLICATION NUMBER: US/07/978,891B

30 (B) FILING DATE: 13 NOV 1992

31 (C) CLASSIFICATION: 424

32

33 (viii) ATTORNEY/AGENT INFORMATION:

34 (A) NAME: Burgoon, Richard P. Jr.

35 (B) REGISTRATION NUMBER: 34,787

36 (C) REFERENCE/DOCKET NUMBER:

37

38 (ix) TELECOMMUNICATION INFORMATION:

39 (A) TELEPHONE: (619) 458-0600

40 (B) TELEFAX: (619) 546-9274

41

42 (2) INFORMATION FOR SEQ ID NO: 1:

43 (i) SEQUENCE CHARACTERISTICS:

44 (A) LENGTH: 8540 bases

45 (B) TYPE: nucleic acid

46 (C) STRANDEDNESS: single

47 (D) TOPOLOGY: circular

48

49 (ii) MOLECULE TYPE: DNA (genomic)

50

51 (iii) HYPOTHETICAL: no

52

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53 (iv) ANTI-SENSE: no
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55 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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344 (3) INFORMATION FOR SEQ ID NO: 2:
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346 (i) SEQUENCE CHARACTERISTICS:
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348 (A) LENGTH: 9209 bases
349 (B) TYPE: nucleic acid
350 (C) STRANDEDNESS: single
351 (D) TOPOLOGY: circular
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353 (ii) MOLECULE TYPE: DNA (genomic)
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355 (iii) HYPOTHETICAL: no
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357 (iv) ANTI-SENSE: no
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445 TGCAAGGCTT CTGGCTACAC ATTTACCACT TACAATATGC ACTGGGTAAA ACAGACACCT 2580
446
447 GGTGGGGCC TGGAAATGGAT TGGAGCTATT TATCCCGGAA ATGGTGATAC TTCCCTACAAT 2640
448
449 CAGAAGTTCA AAGGCAAGGC CACATTGACT GCAGACAAAT CCTCCAGCAC AGCCTACATG 2700
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451 CAGCTCAGCA GCCTGACATC TGAGGACTCT GCGGTCTATT ACTGTGCAAG ATCGACTTAC 2760
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453 TACGGCGGTG ACTGGTACTT CAATGTCTGG GGCGCAGGGA CCACGGTCAC CGTCTCTGCA 2820
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455 GCTAGCACCA AGGGCCCATC GGTCTTCCCC CTGGCACCCCT CCTCCAAGAG CACCTCTGGG 2880
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457 GGCACAGCGG CCCTGGGCTG CCTGGTCAAG GACTACTTCC CCGAACCGGT GACGGTGTGCG 2940
458
459 TGGAACTCAG GCGCCCTGAC CAGCGGCGTG CACACCTTCC CGGCTGTCTT ACAGTCCTCA 3000
460
461 GGACTCTACT CCCTCAGCAG CGTGGTGACC GTGCCCTCCA GCAGCTTGGG CACCCAGACC 3060
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463 TACATCTGCA ACGTGAATCA CAAGCCCAGC AACACCAAGG TGGACAAGAA AGCAGAGCCC 3120
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465 AAAATCTTGTG ACAAAAATCA CACATGCCCA CCGTGCCCCAG CACCTGAACCT CCTGGGGGGA 3180
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467 CCGTCAGTCT TCCTCTTCCCC CCCAAAACCC AAGGACACCC TCATGATCTC CGGGACCCCT 3240
468

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469 GAGGTACAT GCGTGGTGGT GGACGTGAGC CACGAAGACC CTGAGGTCAA GTTCAACTGG 3300
470 TACGTGGACG GCGTGGAGGT GCATAATGCC AAGACAAAGC CGCAGGAGGA GCAGTACAAC 3360
471 AGCACGTACC GTGTGGTCAG CGTCCTCACC GTCTGCACC AGGACTGGCT GAATGGCAAG 3420
472 GAGTACAAGT GCAAGGTCTC CAACAAAGCC CTCCCAGCCC CCATCGAGAA AACCATCTCC 3480
473 AAAGCCAAAG GGCAGCCCCG AGAACACACAG GTGTACACCC TGCCCCCATC CCGGGATGAG 3540
474 CTGACCAAGA ACCAGGTCACTG CCTGACCTGC CTGGTCAAAG GCTTCTATCC CAGCGACATC 3600
475 GCCGTGGAGT GGGAGAGCAA TGGGCAGCCG GAGAACAACT ACAAGACAC GCCTCCCGTG 3660
476 CTGGACTCCG ACGGCTCCTT CTTCTCTAC AGCAAGCTCA CCGTGGACAA GAGCAGGTGG 3720
477 CAGCAGGGGA ACGTCTTCTC ATGCTCCGTG ATGCATGAGG CTCTGCACAA CCACTACACG 3780
478 CAGAAGAGCC TCTCCCTGTC TCCGGTAAA TGAGGATCCG TTAACGGTTA CCAACTACCT 3840
479 AGACTGGATT CGTGACAACA TGCGGCCGTG ATATCTACGT ATGATCAGCC TCGACTGTGC 3900
480 CTTCTAGTTG CCAGCCATCT GTTGTGTTGCC CCTCCCCGT GCCTTCCTTG ACCCTGGAAG 3960
481 GTGCCACTCC CACTGTCCTT TCCTAATAAA ATGAGGAAAT TGCATCCGAT TGTCTGAGTA 4020
482 GGTGTCATTC TATTCTGGGG GGTGGGGTGG GGCAGGACAG CAAGGGGAG GATTGGGAAG 4080
483 ACAATAGCAG GCATGCTGGG GATGCGGTGG GCTCTATGGA ACCAGCTGGG GCTCGACAGC 4140
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485 AGGAAAATTA ATTTAACAC CAATTCAAGTA GTTGATTGAG CAAATGCGTT GCCAAAAGG 4260
486 ATGCTTTAGA GACAGTGTTC TCTGCACAGA TAAGGACAAA CATTATTCAAG AGGGAGTACC 4320
487 CAGAGCTGAG ACTCCTAACG CAGTGAGTGG CACAGCATT TAGGGAGAAA TATGCTTGTC 4380
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489 ATAGAGAGGG CAGGAGCCAG GGCAGAGCAT ATAAGGTGAG GTAGGATCAG TTGCTCCTCA 4500
490 CATTGCTTC TGACATAGTT GTGTTGGGAG CTTGGATAGC TTGGACAGCT CAGGGCTGCG 4560
491 ATTTCGCGCC AAACATTGACG GCAATCCTAG CGTGAAGGCT GGTAGGATT TATCCCCGCT 4620
492 GCCATCATGG TTGAGGACATT GAACTGCATC GTGCCGTGT CCCAAATAT GGGGATTGGC 4680
493 AAGAACGGAG ACCTACCCCTG GCCTCCGCTC AGGAACGAGT TCAAGTACTT CCAAAGAATG 4740
494 ACCACAAACCT CTTCAAGTGGG AGGTAAACAG AATCTGGTGA TTATGGTAG GAAAACCTGG 4800
495

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521 TTCTCCATTC CTGAGAAGAA TCGACCTTA AAGGACAGAA TTAATATAGT TCTCAGTAGA 4860
522 GAACTCAAAG AACCAACCACG AGGAGCTCAT TTTCTTGCA AAAGTTGGA TGATGCCTA 4920
523 AGACTTATTG AACAAACCGGA ATTGGCAAGT AAAGTAGACA TGGTTGGAT AGTCGGAGGC 4980
524 AGTTCTGTTT ACCAGGAAGC CATGAATCAA CCAGGCCACC TTAGACTCTT TGTGACAAGG 5040
525 ATCATGCAGG AATTTGAAAG TGACACGTTT TTCCCAGAAA TTGATTTGGG GAAATATAAA 5100
526 CTTCTCCCAG AATAACCCAGG CGTCCTCTCT GAGGTCCAGG AGGAAAAAGG CATCAAGTAT 5160
527 AAGTTGAAG TCTACGAGAA GAAAGACTAA CAGGAAGATG CTTTCAAGTT CTCTGCTCCC 5220
528 CTCCTAAAGC TATGCATTTT TATAAGACCA TGGGACTTTT GCTGGCTTA GATCAGCCTC 5280
529 GACTGTGCCT TCTAGTTGCC AGCCATCTGT TGTTTGCCTT CCCCCCGTGC CTTCCTTGAC 5340
530 CCTGGAAGGT GCCACTCCCA CTGTCCTTTC CTAATAAAAT GAGGAAATTG CATCGCATTG 5400
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533 TCGAGCTACT AGCTTGCTT CTCAATTCT TATTGCTATA ATGAGAAAAA AAGGAAAATT 5580
534 AATTTAACCA CCAATTCAAGT AGTTGATTGA GCAAATGCGT TGCCAAAAG GATGCTTTAG 5640
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536 GACTCCTAAG CCAGTGAGTG GCACAGCATT CTAGGGAGAA ATATGCTTGT CATCACCGAA 5760
537 GCCTGATTCC GTAGAGCCAC ACCTTGGTAA GGGCCAATCT GCTCACACAG GATAGAGAGG 5820
538 GCAGGAGCCA GGGCAGAGCA TATAAGGTGA GGTAGGATCA GTTGCTCCTC ACATTTGCTT 5880
539 CTGACATAGT TGTGTTGGGA GCTTGGATCG ATCCTCTATG GTTGAACAAG ATGGATTGCA 5940
540 CGCAGGTTCT CCGGCCGCTT GGGTGGAGAG GCTATTGCGC TATGACTGGG CACAACAGAC 6000
541 AATCGGCTGC TCTGATGCCG CCGTGTCCG GCTGTCAGCG CAGGGCGCC CGGTTCTTTT 6060
542 TGTCAAGACC GACCTGTCCG GTGCCCTGAA TGAAC TGCGAG GACGAGGCAG CGCGGCTATC 6120
543 GTGGCTGGCC ACGACGGCG TTCCCTGCGC AGCTGTGCTC GACGTTGTCA CTGAAGCGGG 6180
544 AAGGGACTGG CTGCTATTGG GCGAAGTGCC GGGGCAGGAT CTCCTGTCACT CTCACCTTGC 6240
545 TCCTGCCGAG AAAGTATCCA TCATGGCTGA TGCAATGCGG CGGCTGCATA CGCTTGATCC 6300
546 GGCTACCTGC CCATTGACCA ACCAAGCGAA ACATCGCATC GAGCGAGGCAC GTACTCGGAT 6360
547

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573 GGAAGCCGGT CTTGTCGATC AGGATGATCT GGACGAAGAG CATCAGGGC TCGGCCAGC 6420
574 CGAACTGTTG GCCAGGCTCA AGGCGCGCAT GCCCGACGGC GAGGATCTCG TCGTGACCCA 6480
575 TGGCGATGCC TGCTTGCCGA ATATCATGGT GGAAAATGGC CGCTTTCTG GATTCAATCGA 6540
576 CTGTGGCCGG CTGGGTGTGG CGGACCGCTA TCAGGACATA GCGTTGGCTA CCCGTGATAT 6600
577 TGCTGAAGAG CTTGGCGGCG AATGGGCTGA CCGCTTCCTC GTGCTTTACG GTATCGCCGC 6660
578 TCCCGATTG CAGCGCATCG CCTTCTATCG CCTTCTTGAC GAGTTCTTCT GAGCGGGACT 6720
579 CTGGGGTTCG AATGACCGA CCAAGCGACG CCCAACCTGC CATCACGAGA TTTCGATTCC 6780
580 ACCGCCGCCT TCTATGAAAG GTTGGGCTTC GGAATCGTTT TCCGGGACGC CGGCTGGATG 6840
581 ATCCTCCAGC GCGGGGATCT CATGCTGGAG TTCTTCGCC ACCCCAACTT GTTTATTGCA 6900
582 GCTTATAATG GTTACAAATA AAGCAATAGC ATCACAAATT TCACAAATAA AGCATTTC 6960
583 TCACTGCATT CTAGTTGTGG TTTGTCCAAA CTCATCAATC TATCTTATCA TGTCTGGATC 7020
584 GCGGCCGCGA TCCCGTCGAG AGCTTGGCGT AATCATGGTC ATAGCTGTTT CCTGTGTGAA 7080
585 ATTGTTATCC GCTCACAATT CCACACAAACA TACGAGCCGG AAGCATAAAG TGAAAGCCT 7140
586 GGGGTGCCTA ATGAGTGAGC TAACTCACAT TAATTGCGTT GCGCTCACTG CCCGTTTCC 7200
587 AGTCGGAAA CCTGTCGTGC CAGCTGCATT AATGAATCGG CCAACCGCG GGGAGAGGCG 7260
588 GTTTGCCTAT TGGGCGCTCT TCCGCTTCCT CGCTCACTGA CTCGCTGCGC TCGGTGTT 7320
589 GGCTGCGGCG AGCGGTATCA GCTCACTCAA AGGCGGTAAAT ACGGTTATCC ACAGAATCAG 7380
590 GGGATAACGC AGGAAAGAAC ATGTGAGCAA AAGGCCAGCA AAAGGCCAGG AACCGTAAA 7440
591 AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC TGACGAGCAT CACAAAATC 7500
592 GACGCTCAAG TCAGAGGTGG CGAAACCGA CAGGACTATA AAGATACCAG GCGTTTCC 7560
593 CTGGAAGCTC CCTCGTGCCTC TCTCCTGTT CGACCCCTGCC GCTTACCGGA TACCTGTCCG 7620
594 CCTTTCTCCC TTGGGAAAGC GTGGCGCTTT CTCAATGCTC ACGCTGTAGG TATCTCAGTT 7680
595 CGGTGTAGGT CGTTGCTCC AAGCTGGCT GTGTGCACGA ACCCCCCGTT CAGCCCGACC 7740
596 GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC GGTAAGACAC GACTTATCGC 7800
597 CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG GTATGTAGGC GGTGCTACAG 7860
598 AGTTCTTGAA GTGGTGGCCT AACTACGGCT ACACTAGAAG GACAGTATTT GGTATCTGCC 7920
599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624

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625	CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG CTCTTGATCC GGCAAACAAA	7980
626	CCACCGCTGG TAGCGGTGGT TTTTTGTTT GCAAGCAGCA GATTACGCAG AGAAAAAAAG	8040
627	GATCTCAAGA AGATCCTTTG ATCTTTCTA CGGGGTCTGA CGCTCAGTGG AACGAAAAGT	8100
628	CACGTTAAGG GATTTGGTC ATGAGATTAT CAAAAAGGAT CTTCACCTAG ATCCTTTAA	8160
629	ATTAAAAATG AAGTTTAAA TCAATCTAAA GTATATATGA GTAAACCTGG TCTGACAGTT	8220
630	ACCAATGCTT AATCAGTGAG GCACCTATCT CAGCGATCTG TCTATTCGT TCATCCATAG	8280
631	TTGCCTGACT CCCCCGTCGTG TAGATAACTA CGATACGGGA GGGCTTACCA TCTGGCCCCA	8340
632	GTGCTGCAAT GATACCGCGA GACCCACGCT CACCGGCTCC AGATTTATCA GCAATAAACCC	8400
633	AGCCAGCCGG AAGGGCCGAG CGCAGAAGTG GTCTGCAAC TTTATCCGCC TCCATCCAGT	8460
634	CTATTAATTG TTGCCGGAA GCTAGAGTAA GTAGTTGCC AGTTAATAGT TTGCGCAACG	8520
635	TTGTTGCCAT TGCTACAGGC ATCGTGGTGT CACGCTCGTC GTTGGTATG GCTTCATTCA	8580
636	GCTCCGGTTC CCAACGATCA AGGCGAGTTA CATGATCCCC CATGTTGTGC AAAAAAGCGG	8640
637	TTAGCTCCTT CGGTCCCTCCG ATCGTTGTCA GAAGTAAGTT GGCCGCAGTG TTATCACTCA	8700
638	TGGTTATGGC AGCACTGCAT AATTCTCTTA CTGTCATGCC ATCCGTAAGA TGCTTTCTG	8760
639	TGACTGGTGA GTACTCAACC AAGTCATTCT GAGAATAGTG TATGCGCGA CCGAGTTGCT	8820
640	CTTGCCCGGC GTCAATAACCG GATAATAACCG CGCCACATAG CAGAACTTTA AAAGTGCTCA	8880
641	TCATTGGAAA ACGTTCTCG GGGCGAAAAC TCTCAAGGAT CTTACCGCTG TTGAGATCCA	8940
642	GTTCGATGTA ACCCACTCGT GCACCCAACT GATCTTCAGC ATCTTTACT TTCAACCAGCG	9000
643	TTTCTGGGTG AGCAAAACCA GGAAGGCAAA ATGCCGCAAA AAAGGGAATA AGGGCGACAC	9060
644	GGAAATGTTG AATACTCATA CTCTTCCTTT TTCAATATTA TTGAAGCATT TATCAGGGTT	9120
645	ATTGTCTCAT GAGCGGATAC ATATTTGAAT GTATTTAGAA AAATAAACAA ATAGGGGTTTC	9180
646	CGCGCACATT TCCCCGAAAAA GTGCCACCT	9209
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670	(4) INFORMATION FOR SEQ ID NO: 3:	
671	(i) SEQUENCE CHARACTERISTICS:	
672	(A) LENGTH: 47 bases	
673	(B) TYPE: nucleic acid	
674	(C) STRANDEDNESS: single	
675	(D) TOPOLOGY: linear	
676		

(4) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 47 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

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677 (ii) MOLECULE TYPE: DNA (genomic)
678
679 (iii) HYPOTHETICAL: no
680
681 (iv) ANTI-SENSE: no
682
683 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
684
685 ATC ACA GAT CTC TCA CCA TGG ATT TTC AGG TBC AGA TTA TCA GCT 45
686 TC 47
687
688 (5) INFORMATION FOR SEQ ID NO: 4:
689 (i) SEQUENCE CHARACTERISTICS:
690 (A) LENGTH: 30 bases
691 (B) TYPE: nucleic acid
692 (C) STRANDEDNESS: single
693 (D) TOPOLOGY: linear
694
695 (ii) MOLECULE TYPE: DNA (genomic)
696
697 (iii) HYPOTHETICAL: no
698
699 (iv) ANTI-SENSE: yes
700
701 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
702
703 TGC AGC ATC CGT ACG TTT GAT TTC CAG CTT 30
704
705 (6) INFORMATION FOR SEQ ID NO: 5:
706
707 (i) SEQUENCE CHARACTERISTICS:
708
709 (A) LENGTH: 384 bases
710 (B) TYPE: nucleic acid
711 (C) STRANDEDNESS: single
712 (D) TOPOLOGY: linear
713
714 (ii) MOLECULE TYPE: DNA (genomic)
715
716 (iii) HYPOTHETICAL: no
717
718 (iv) ANTI-SENSE: no
719
720 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
721
722
723 ATG GAT TTT CAG GTG CAG ATT ATC AGC TTC CTG CTA ATC AGT GCT TCA GTC 51
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725 ATA ATG TCC AGA GGG CAA ATT GTT CTC TCC CAG TCT CCA GCA ATC CTG TCT 102
726
727 GCA TCT CCA GGG GAG AAG GTC ACA ATG ACT TGC AGG GCC AGC TCA AGT GTA 153
728

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729 AGT TAC ATC CAC TGG TTC CAG CAG AAG CCA GGA TCC TCC CCC AAA CCC TGG 204
730
731 ATT TAT GCC ACA TCC AAC CTG GCT TCT GGA GTC CCT GTT CGC TTC AGT GGC 255
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733 AGT GGG TCT GGG ACT TCT TAC TCT CTC ACA ATC AGC AGA GTG GAG GCT GAA 306
734
735 GAT GCT GCC ACT TAT TAC TGC CAG CAG TGG ACT AGT AAC CCA CCC ACG TTC 357
736
737 GGA GGG GGG ACC AAG CTG GAA ATC AAA 384
738
739
740 (7) INFORMATION FOR SEQ ID NO: 6:
741
742 (i) SEQUENCE CHARACTERISTICS:
743
744 (A) LENGTH: 27 bases
745 (B) TYPE: nucleic acid
746 (C) STRANDEDNESS: single
747 (D) TOPOLOGY: linear
748
749 (ii) MOLECULE TYPE: DNA (genomic)
750
751 (iii) HYPOTHETICAL: no
752
753 (iv) ANTI-SENSE: no
754
755 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
756
757 GCG GCT CCC ACG CGT GTC CTG TCC CAG 27
758
759 (8) INFORMATION FOR SEQ ID NO: 7:
760
761 (i) SEQUENCE CHARACTERISTICS:
762
763 (A) LENGTH: 29 bases
764 (B) TYPE: nucleic acid
765 (C) STRANDEDNESS: single
766 (D) TOPOLOGY: linear
767
768 (ii) MOLECULE TYPE: DNA (genomic)
769
770 (iii) HYPOTHETICAL: no
771
772 (iv) ANTI-SENSE: yes
773
774 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
775
776 GGS TGT TGT GCT AGC TGM RGA GAC RGT GA 29
777
778 (9) INFORMATION FOR SEQ ID NO: 8:
779
780 (i) SEQUENCE CHARACTERISTICS:

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781
782 (A) LENGTH: 420 bases
783 (B) TYPE: nucleic acid
784 (C) STRANDEDNESS: single
785 (D) TOPOLOGY: linear
786
787 (ii) MOLECULE TYPE: DNA (genomic)
788
789 (iii) HYPOTHETICAL: no
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791 (iv) ANTI-SENSE: no
792
793 (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
794
795 ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT GCT ACG CGT GTC 51
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797 CTG TCC CAG GTA CAA CTG CAG CAG CCT GGG GCT GAG CTG GTG AAG CCT GGG 102
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799 GCC TCA GTG AAG ATG TCC TGC AAG GCT TCT GGC TAC ACA TTT ACC AGT TAC 153
800
801 AAT ATG CAC TGG GTA AAA CAG ACA CCT GGT CGG GGC CTG GAA TGG ATT GGA 204
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803 GCT ATT TAT CCC GGA AAT GGT GAT ACT TCC TAC AAT CAG AAG TTC AAA GGC 255
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805 AAG GCC ACA TTG ACT GCA GAC AAA TCC TCC AGC ACA GCC TAC ATG CAG CTC 306
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807 AGC AGC CTG ACA TCT GAG GAC TCT GCG GTC TAT TAC TGT GCA AGA TCG ACT 357
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809 TAC TAC GGC GGT GAC TGG TAC TTC AAT GTC TGG GGC GCA GGG ACC ACG GTC 408
810 ACC GTC TCT GCA 420
811